Features

- 10.1" Industrial Compact Size Panel PC
- Intel N97 Processor
- Support 1 x DDR5 4800MHz SO-DIMM, Up to 32GB
- IP66 Compliant Aluminum Front Bezel
- Support Resistive touch screen and Projected Capacitive Multi-touch screen
- Support Auto-Dimming (for option)
- Support High Brightness LCD
- Fanless Design
- DC 9~36V Wide Range Power Input

Specifications

System

CPU	Intel N97 Quad Core Processor, 3.60GHz, TDP is 12W
System Chipset	SoC
Memory	1 x DDR5 4800MHz SO-DIMM, up to 32GB
BIOS	AMI UEFI

I/O Port

USB	2 x USB 3.2 Type A, 2 x USB 2.0 Type A
Serial / Parallel	1 x DB9 Type RS-232/422/485 (COM1, BIOS selection, RS-232 is default) 1 x DB9 Type RS-232/422/485 (COM2, BIOS selection, RS-232 is default) 1 x DB9 Type RS-232(COM3)
LAN	2 x RJ-45 Type Intel I226V/IT 2.5GbE LAN
Power	1 x Terminal Block Type, DC 9~36V Power Input

Storage Space

HDD/SSD	1 x M.2 M-Key slot for storage device (PCIe3.0 x1 or SATA, 2280)

Expansion

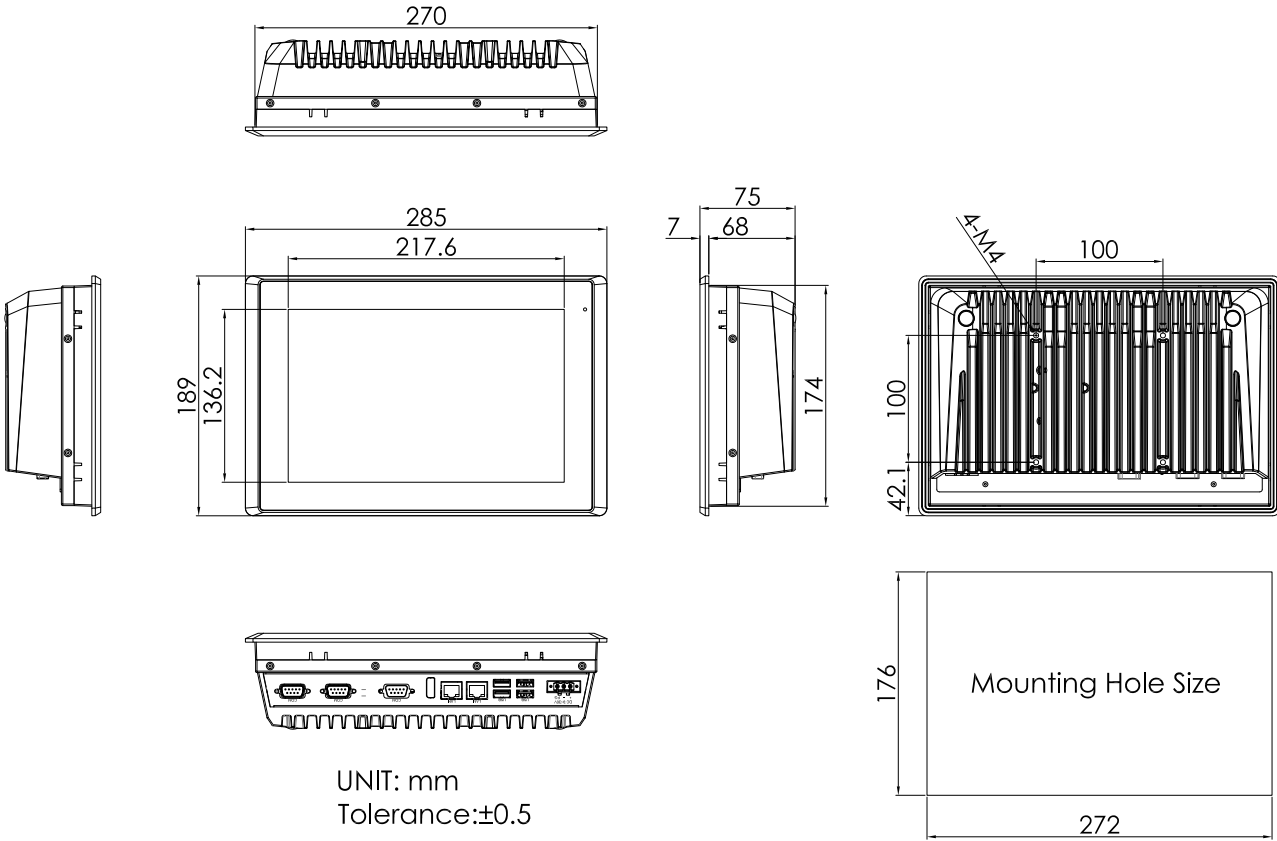|	
Expansion slot	1 x M.2 E-Key slot (Support Wi-Fi + Bluetooth, 2230) 1 x M.2 B-Key slot with 1 x Nano-SIM slot (Support 4G/5G, 3042/3052)

Storage Space

TPM	Onboard TPM2.0 SPI I/F TPM IC
Watchdog Timer	1~255 sec (system)
Wake on LAN	Support WOL

Dispalay

Dispalay	Standard	High Brightness by SKU
Display Type	10.1" TFT-LCD	10.1" TFT-LCD
Max. Resolution	1280 x 800	1280 x 600
Max. Color	16.7M	16.7M
Luminance (cd/m^2)	350	1000
View Angle	170(H)/170(V)	178(H)/178(V)
Contrast	800:1	1200:1
Backlight Lifetime	30,000 hrs	50,000 hrs

Touch Screen

Type	Resistive Touch (for CR Model) Projected Capacitive Touch (for CP Model)
Interface	USB
Light Transmission(%)	Resistive Touch: 80% / Projected Capacitive Touch: 90%

Power

Power Input	DC 9~36V
Power Consumption	ARCHMI-S-810CP/R: Around 37W

Dimensions

UNIT: mm
Tolerance:±0.5

Mounting Hole Size

Mechanical

Construction	Aluminum Die-casting Chassis
Mounting	Panel Mount, VESA 100 x 100
IP Rating	IP66 Compliant Front Bezel
Dimensions (WxHxD)	285 x 189 x 75 mm
Net Weight	2.57 kg

Environmental

Operating Temperature	0~50˚C / -20~60˚C (w/ Industrial wide Temp. SSD/RAM)
Storage Temperature	-30~70˚C
Humidity	10 to 95%@ 40˚C, non-condensing
Certificate	CE/FCC Class A

Operating System Support

Windows 10 IoT Enterprise 2021 LTSC
Windows 11 (21H2) or later
Linux 22.04 or later

Ordering Information

ARCHMI-S-810CP	10.1" WXGA fanless HMI barebone with Intel N97 CPU, 1 x DDR5 slot, Projected Capacitive touch, 9~36V DC input with adapter, Aluminum chassis.
ARCHMI-S-810CR	10.1" WXGA fanless HMI barebone with Intel N97 CPU, 1 x DDR5 slot, Resistive touch screen, 9~36V DC input with adapter, Aluminum chassis.
ARCHMI-S-810CPH	10.1" WXGA High brightness fanless HMI barebone with Intel N97 CPU, 1 x DDR5 slot, Projected Capacitive touch, 9~36V DC input with adapter, Aluminum chassis.
ARCHMI-S-810CRH	10.1" WXGA High brightness fanless HMI barebone with Intel N97 CPU, 1 x DDR5 slot, Resistive touch screen, 9~36V DC input with adapter, Aluminum chassis.

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